

Fig 1

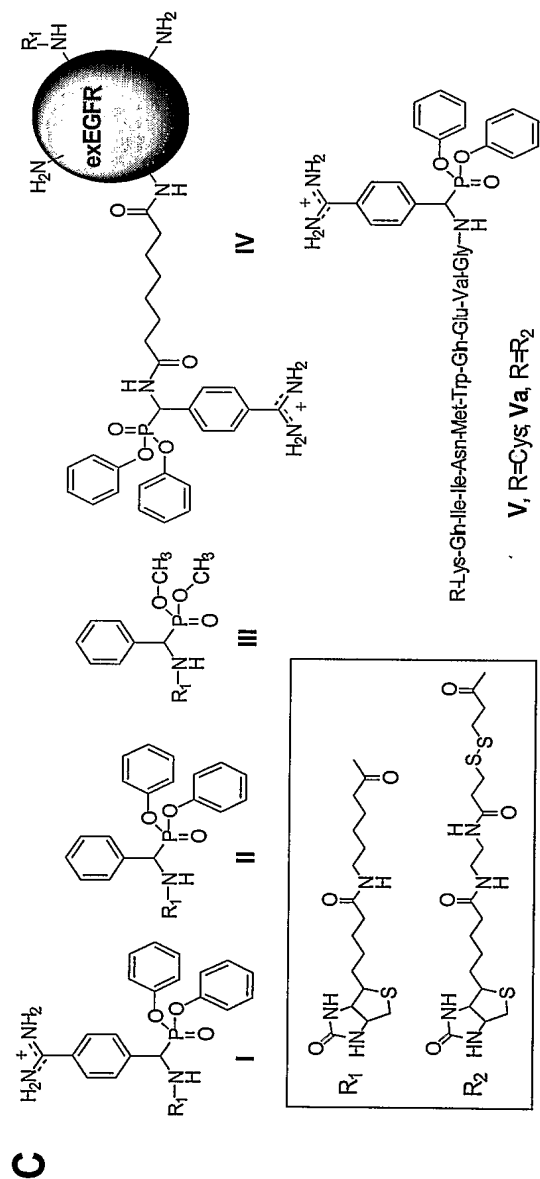
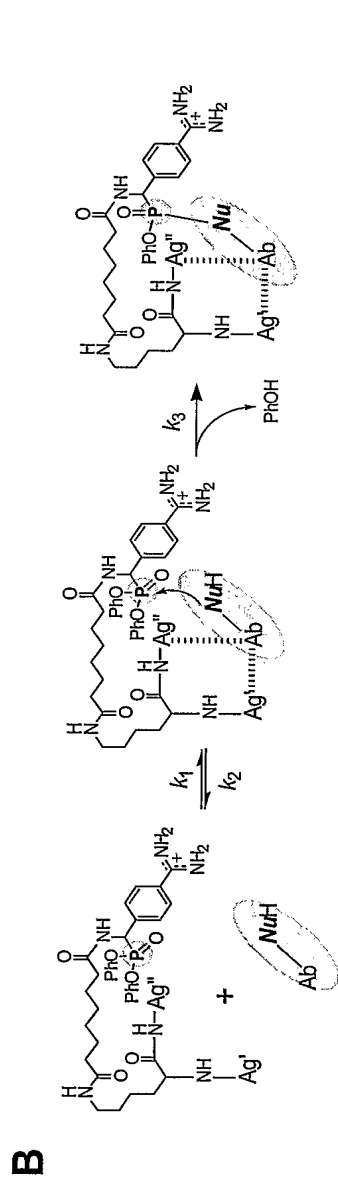
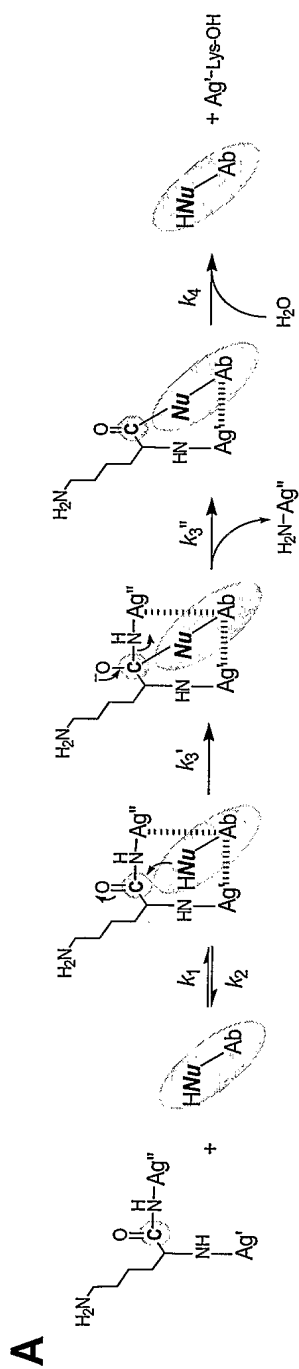


Fig 2

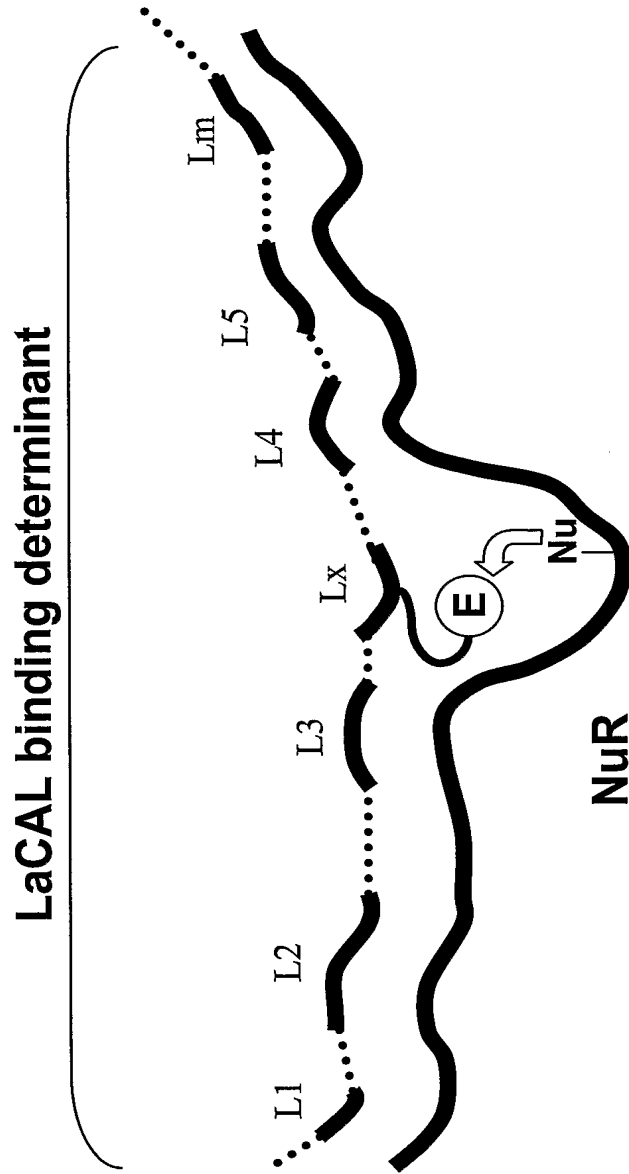


Fig 3

Catalysis and covalent binding energies of proteins

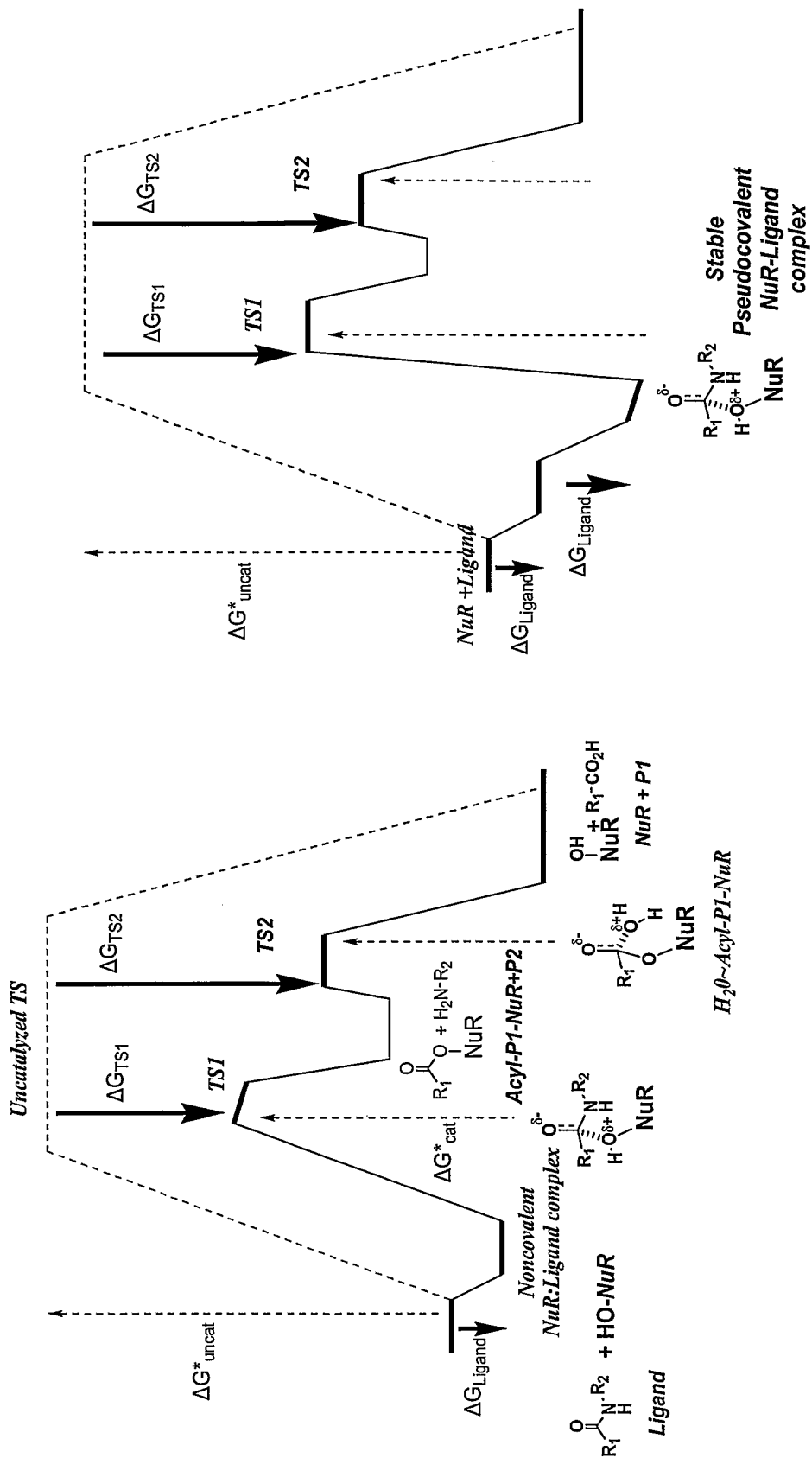
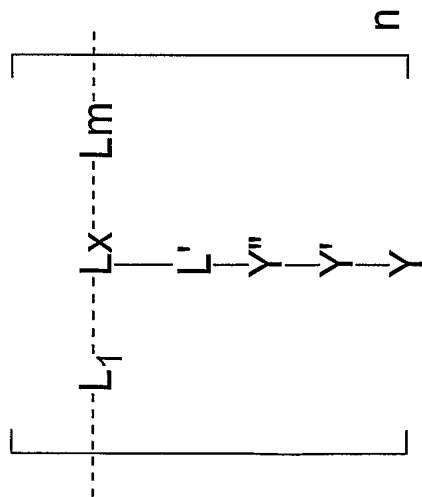
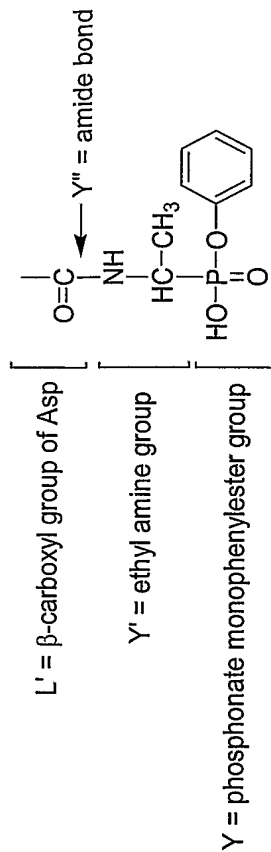


Fig 4

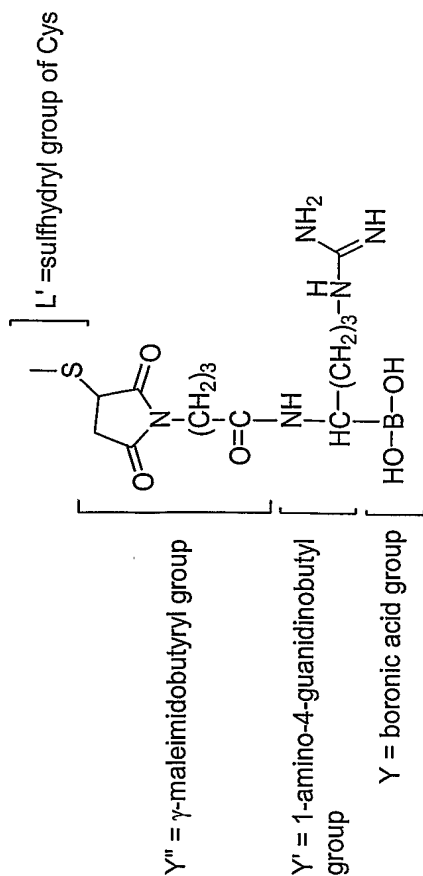
General structure of LaCAL



• L'-Y''-Y'-Y, Example 1



• L'-Y''-Y'-Y, Example 3



• L'-Y''-Y'-Y, Example 2

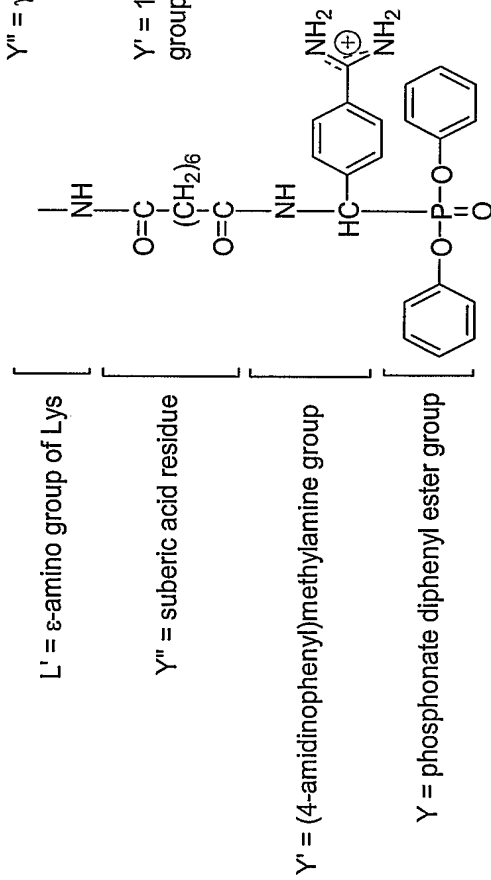
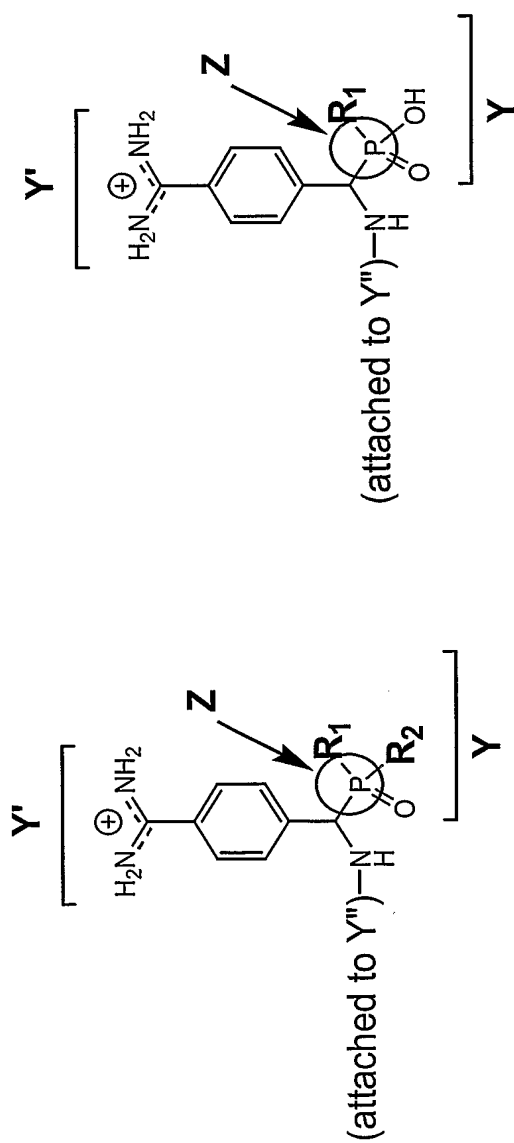


Fig 5A



LaCAL Z-R pair: Example 1

LaCAL Z-R pair: Example 2

Fig 5B

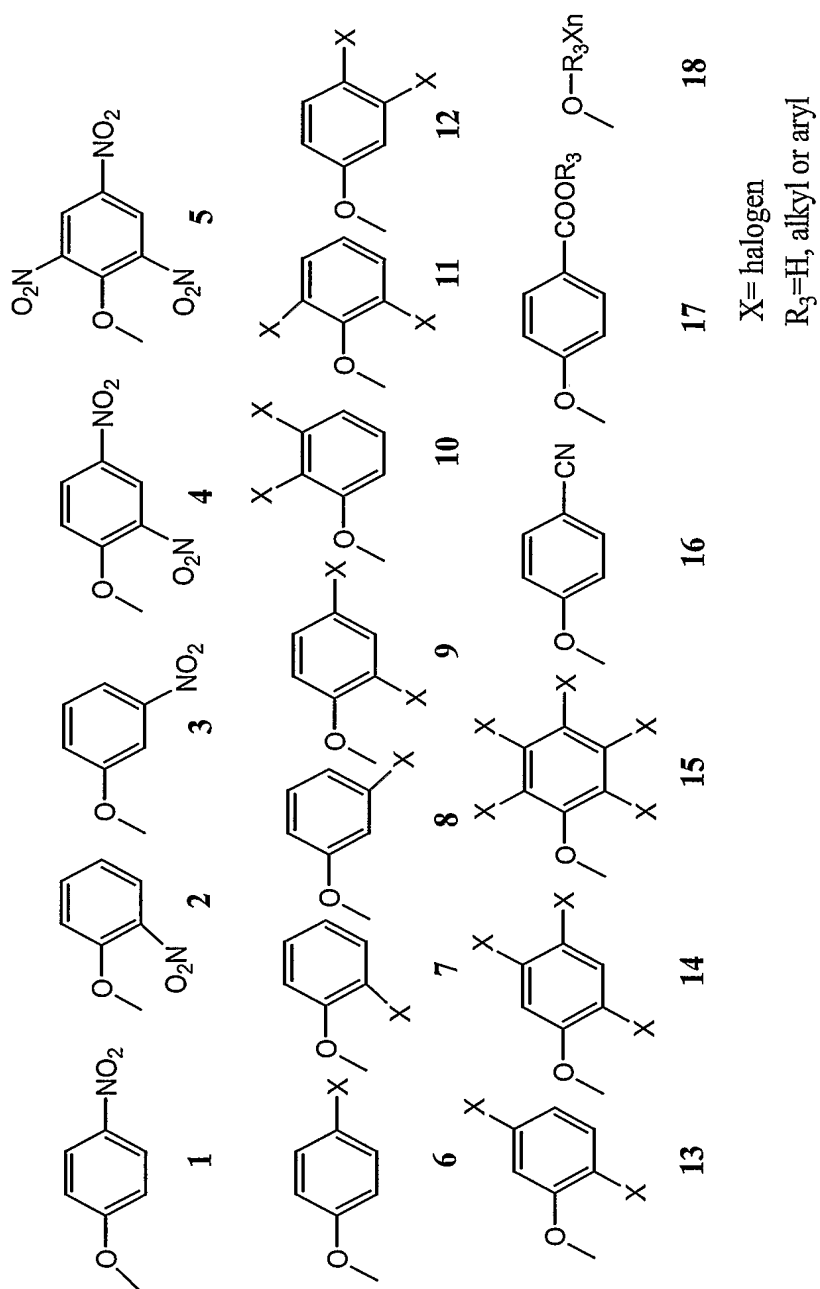
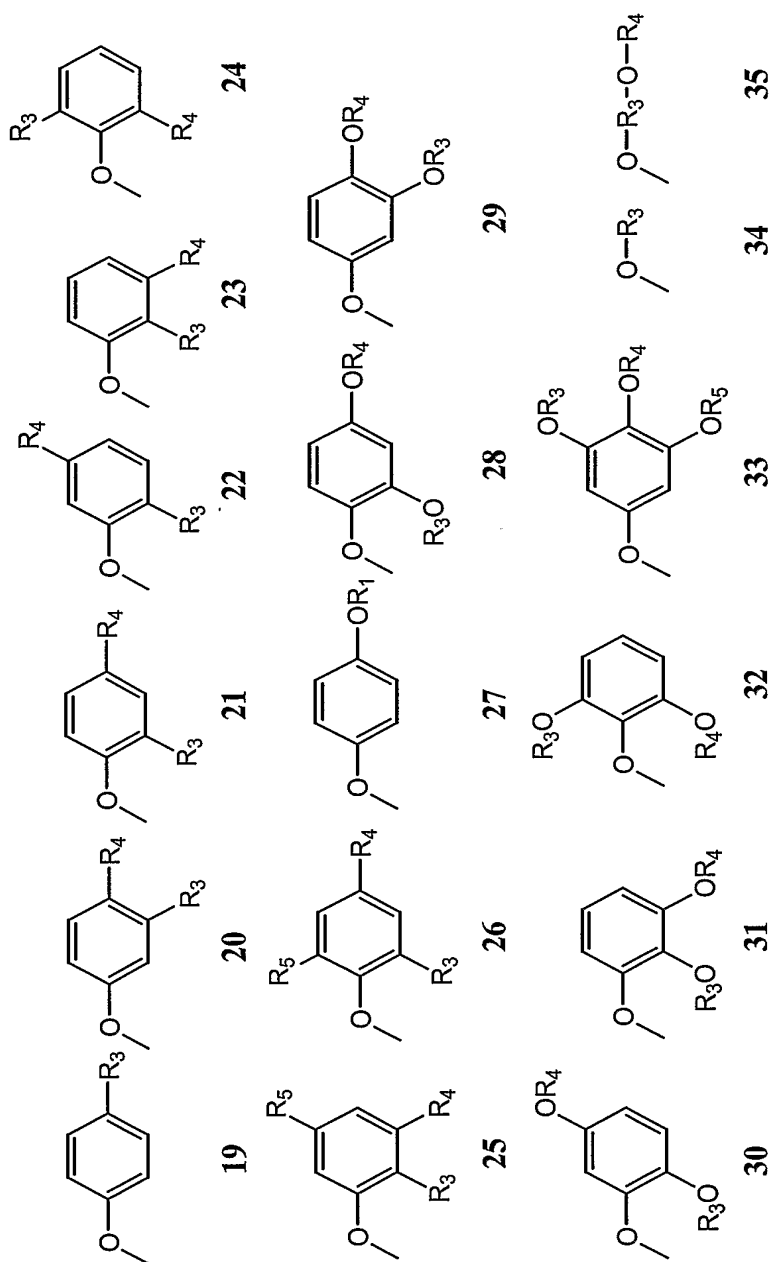


Fig 5C



R_n = H, alkyl or aryl

	36
	37
	38
	39
	40

W: halogen
V: peptide
R: alkyl or aryl

	41
	42
	43
	44
	45

V: peptide
 Rn: alkyl or aryl

V: peptide
Rn: alkyl or aryl

Fig 6

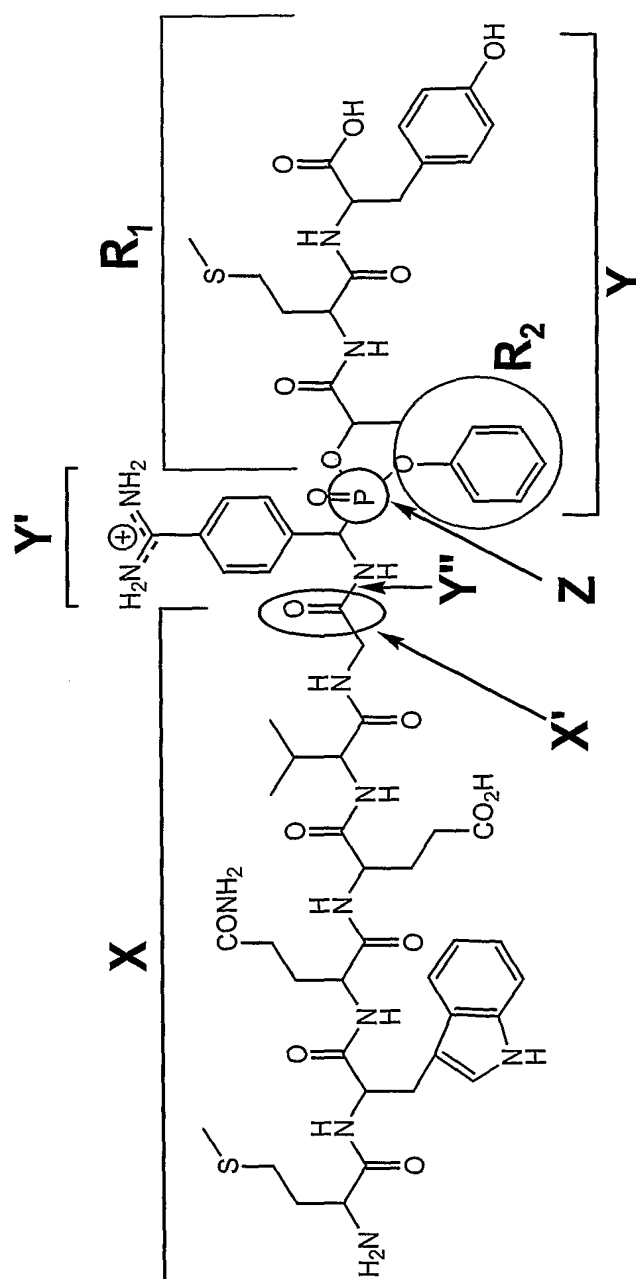


Fig 7

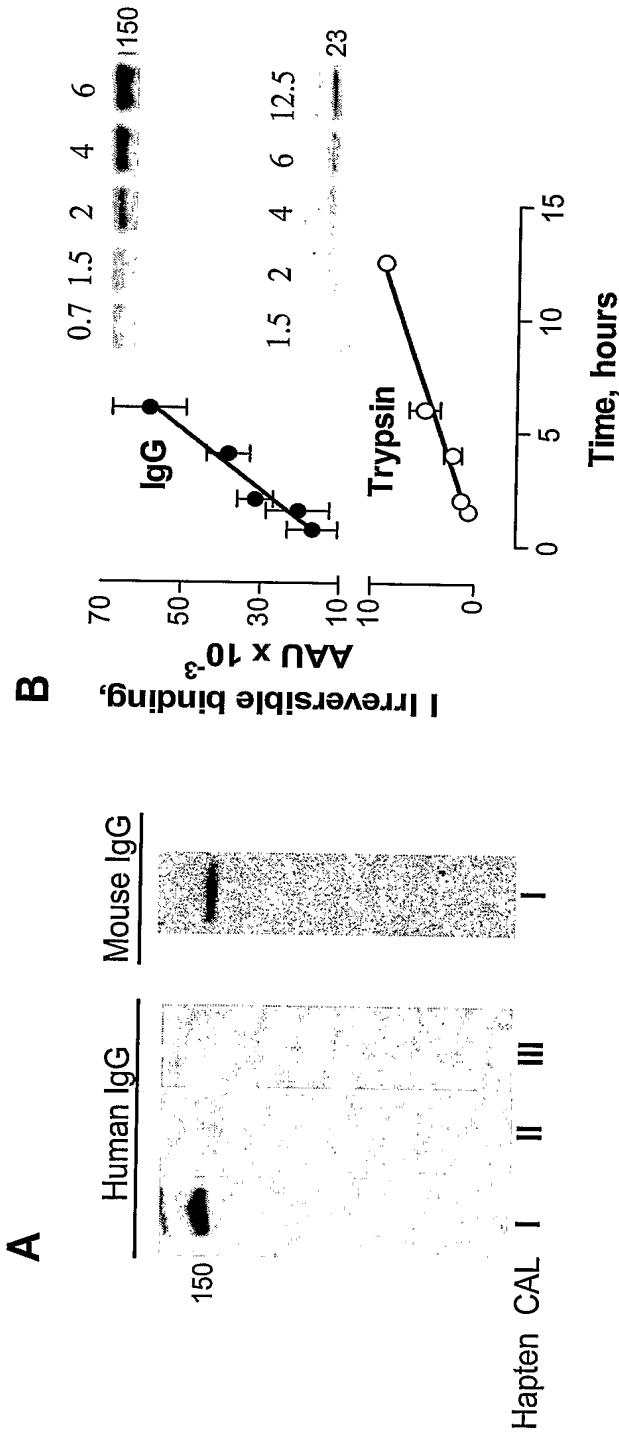


Fig 8

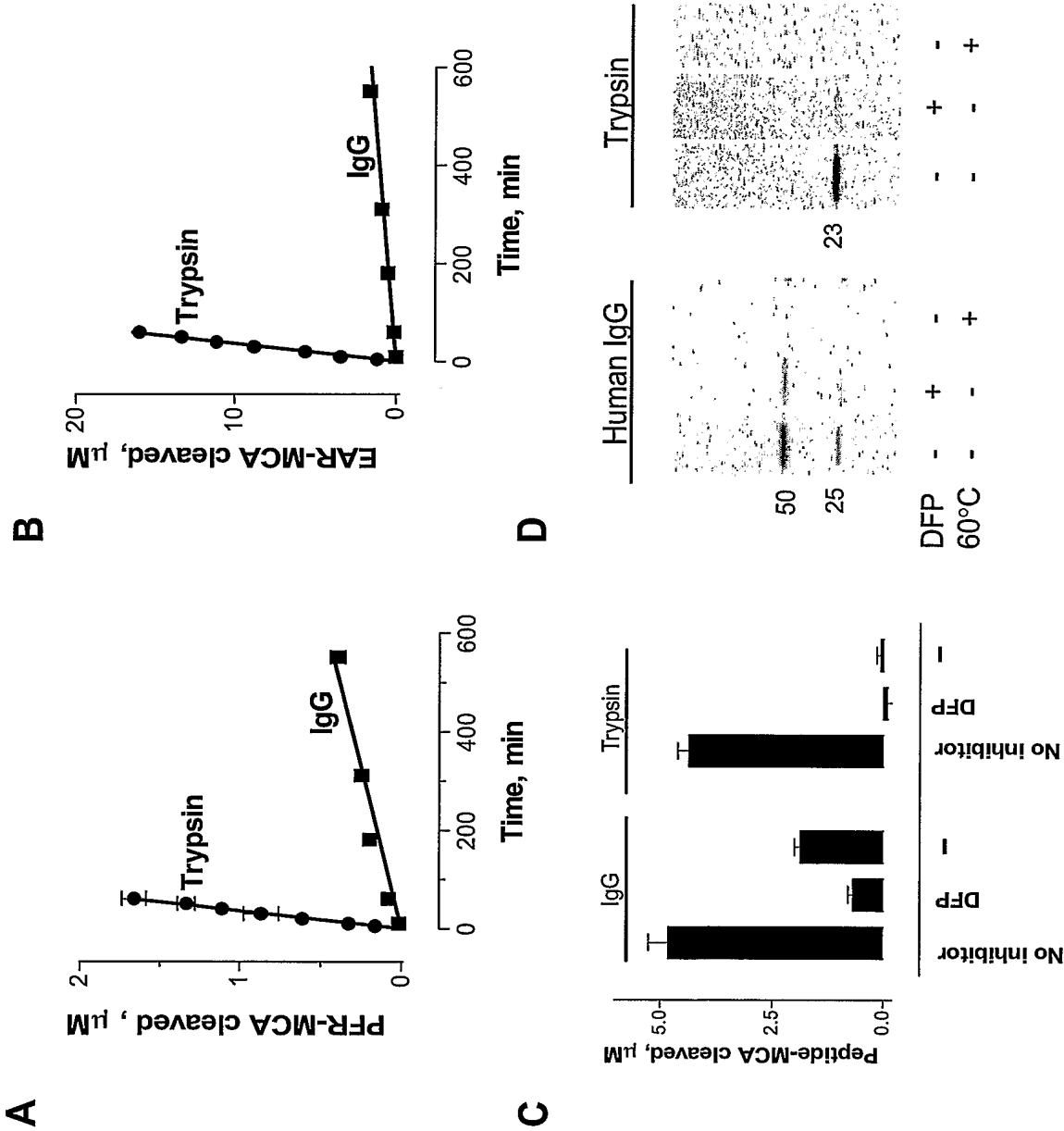


Fig 9

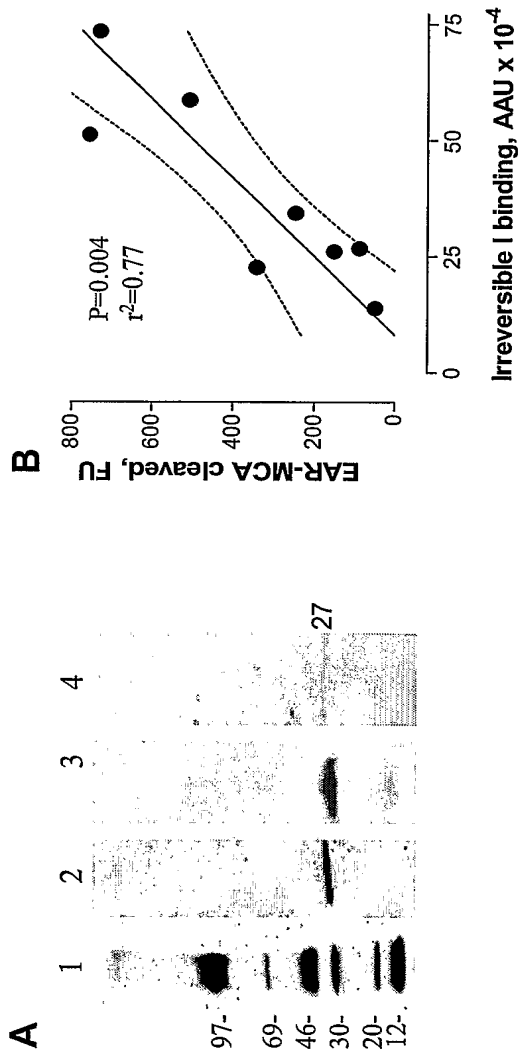


Fig 10

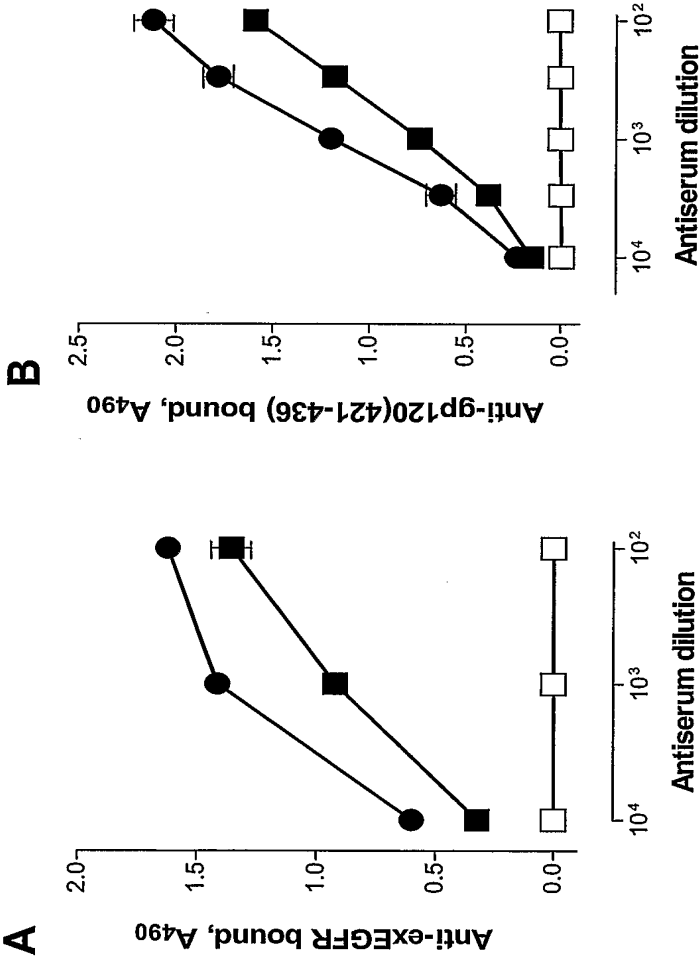


Fig 11

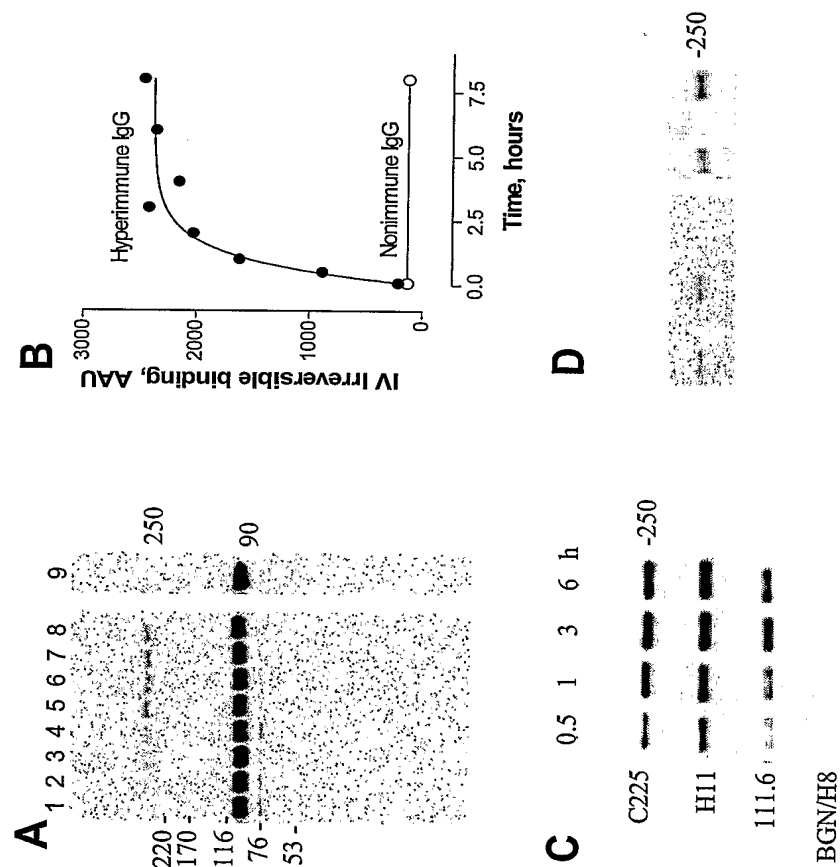


Fig 12

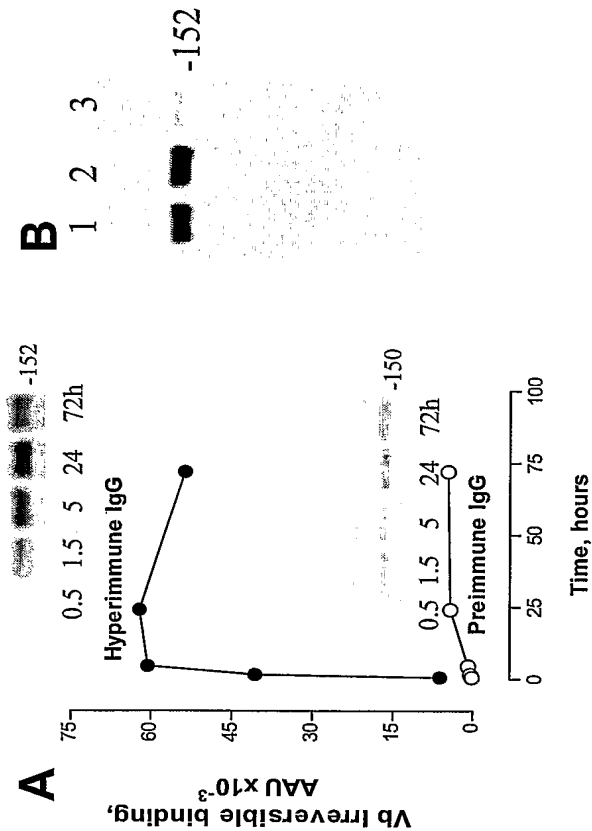


Fig 14

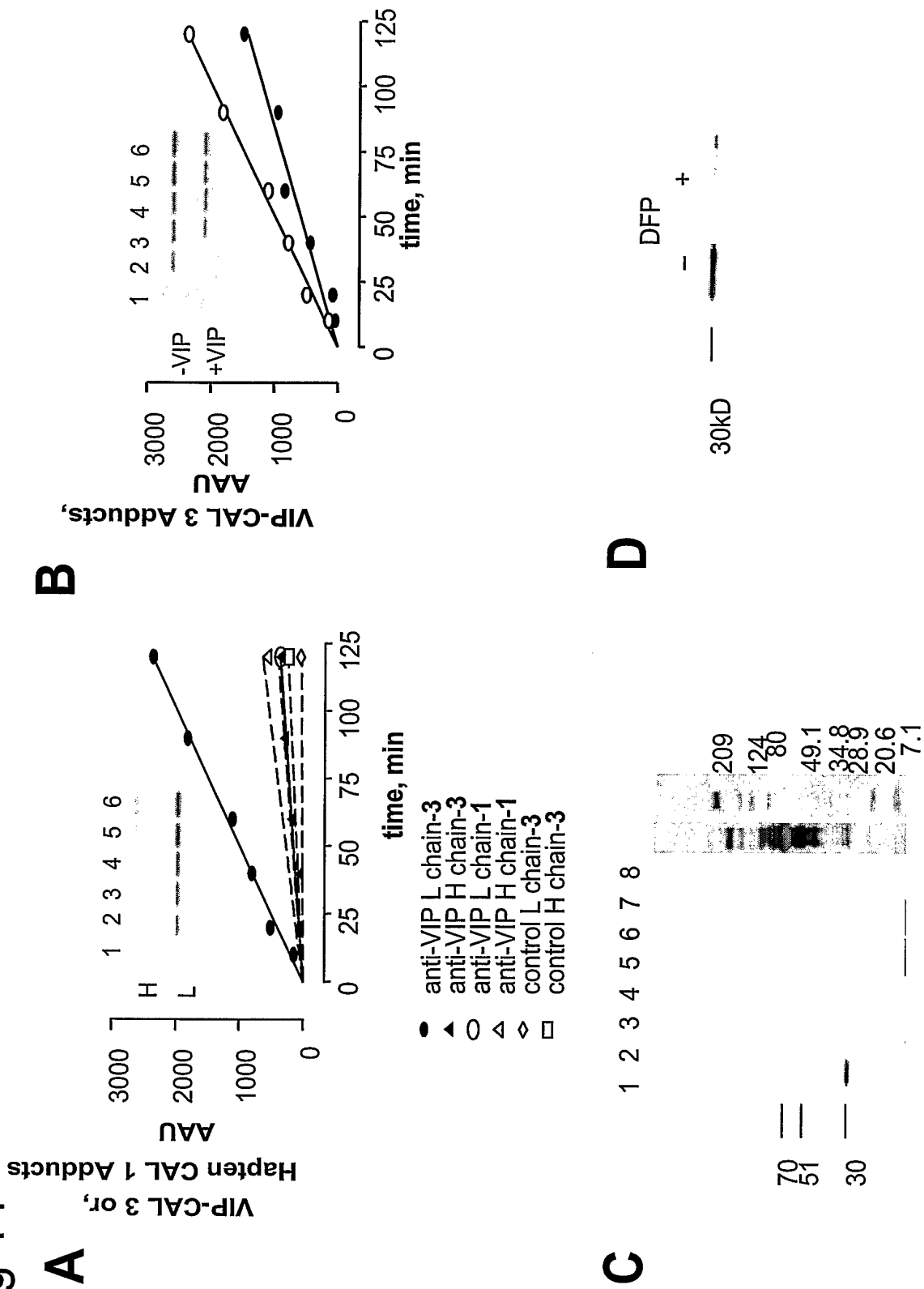
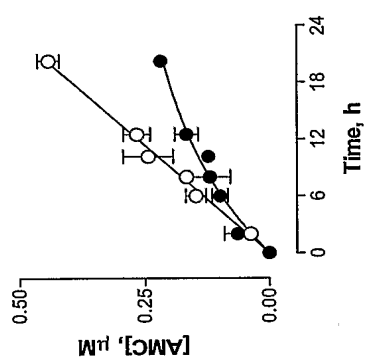
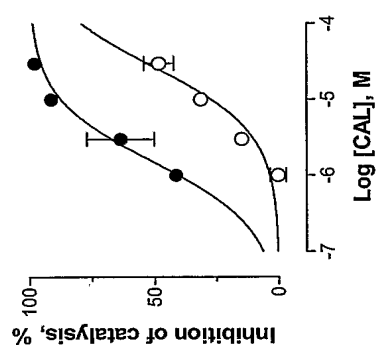


Fig 15

A



B



C

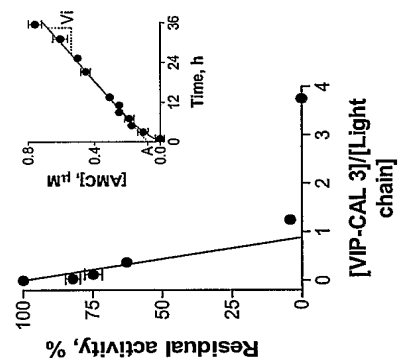
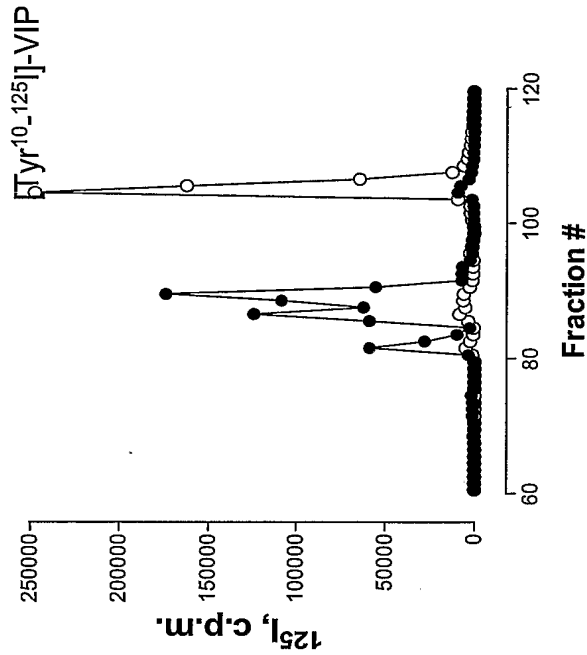


Fig 16

A



B

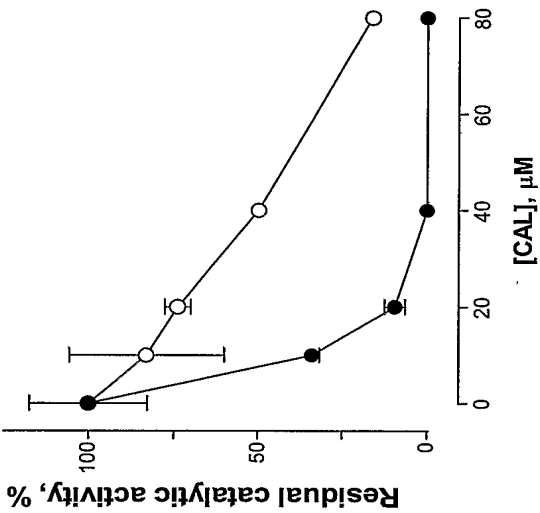


Fig 17

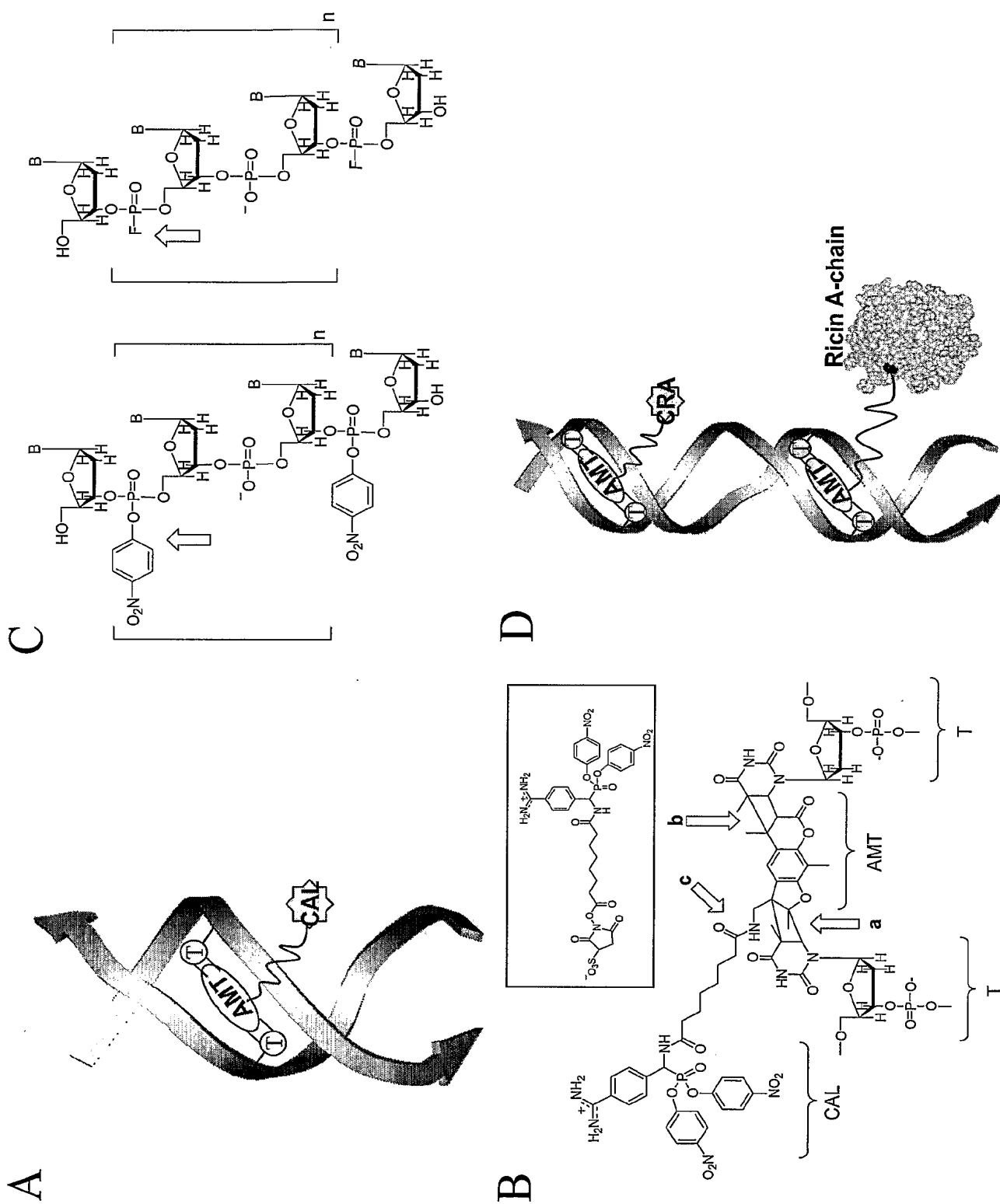


Fig 18

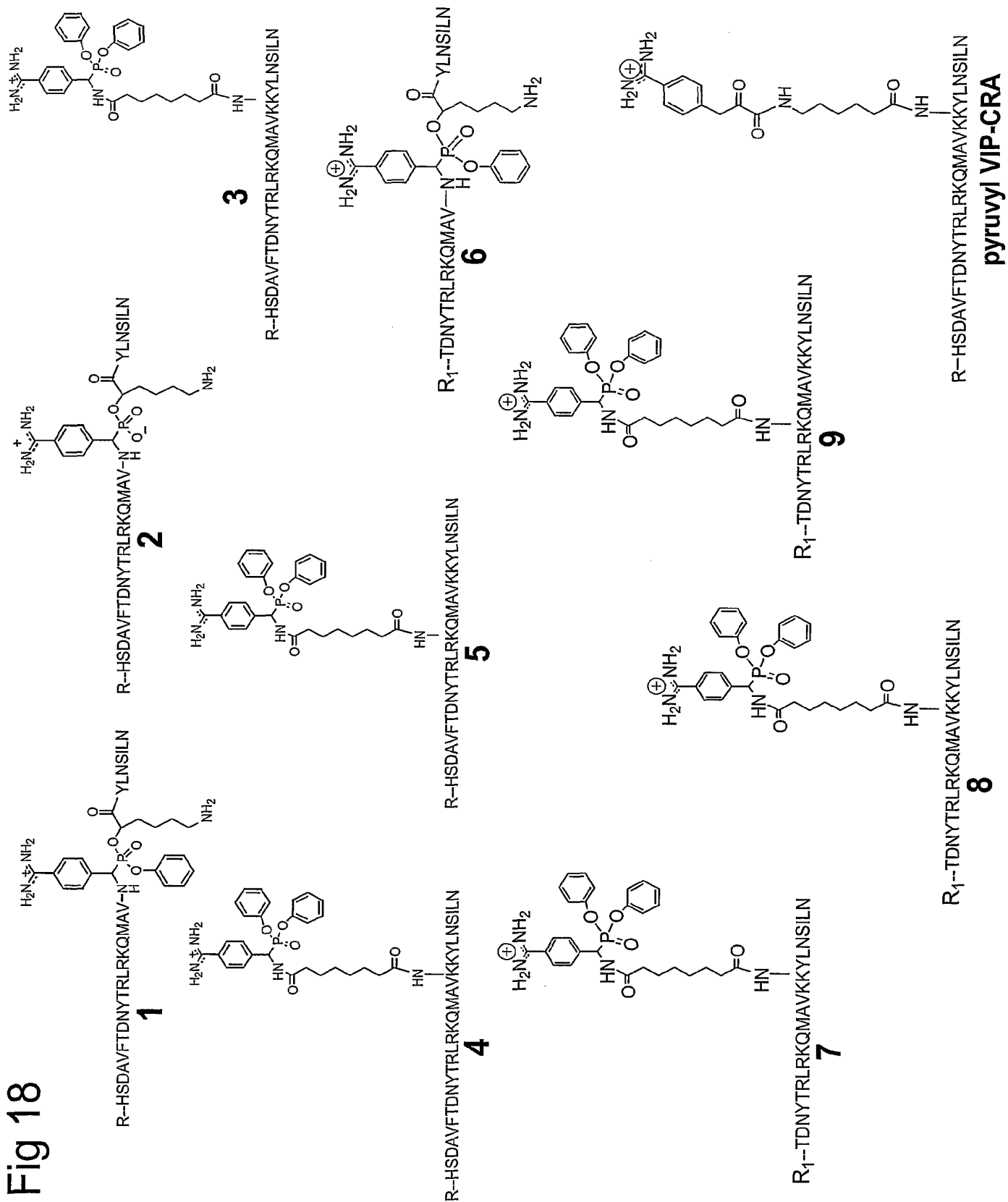


Fig 19

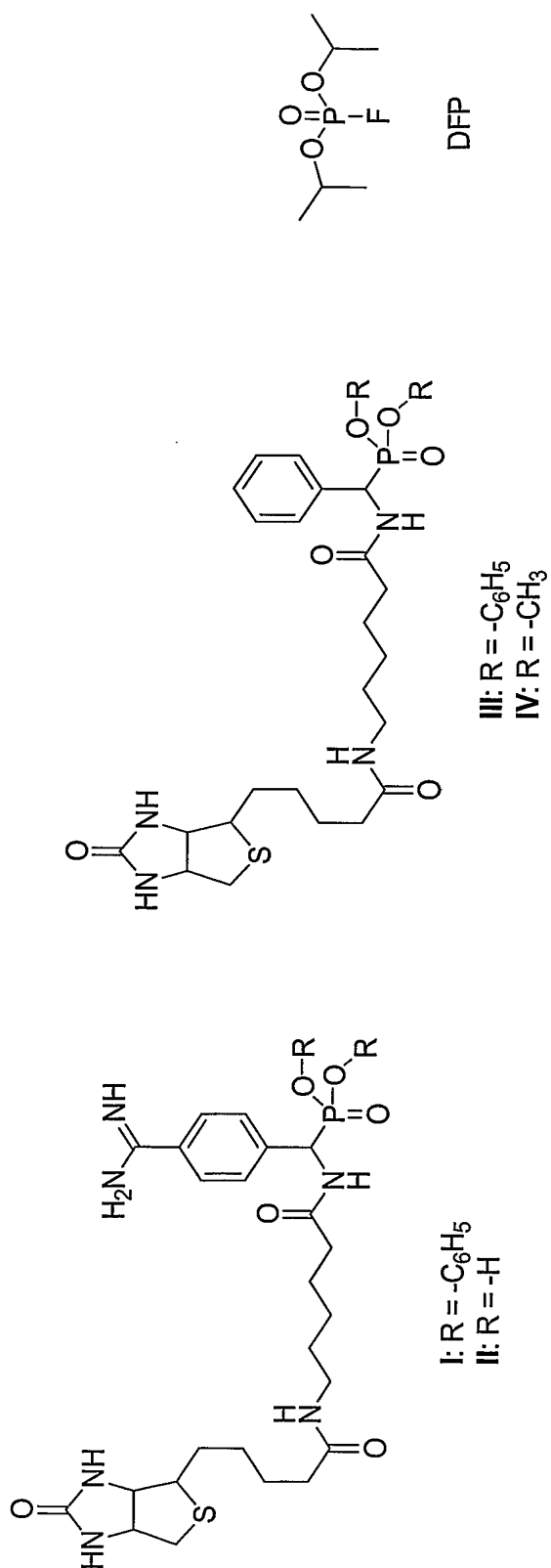


Fig 20

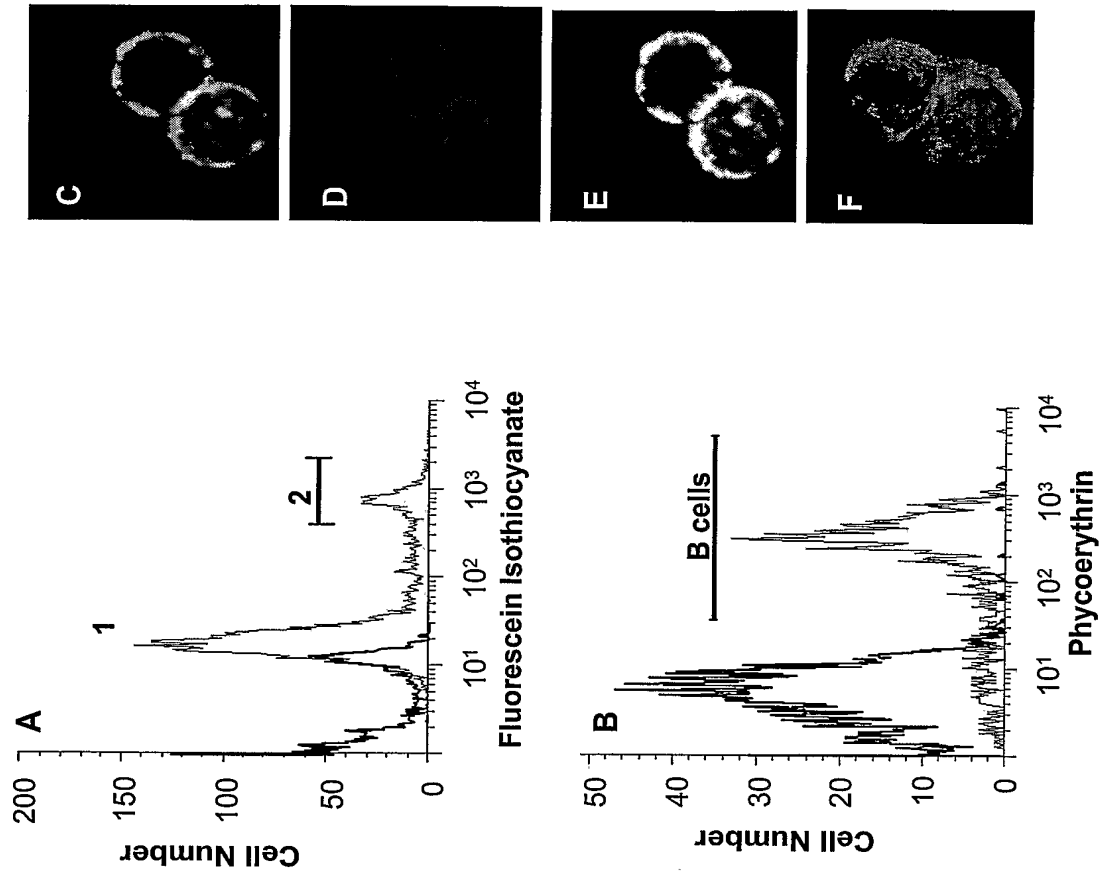


Fig 21

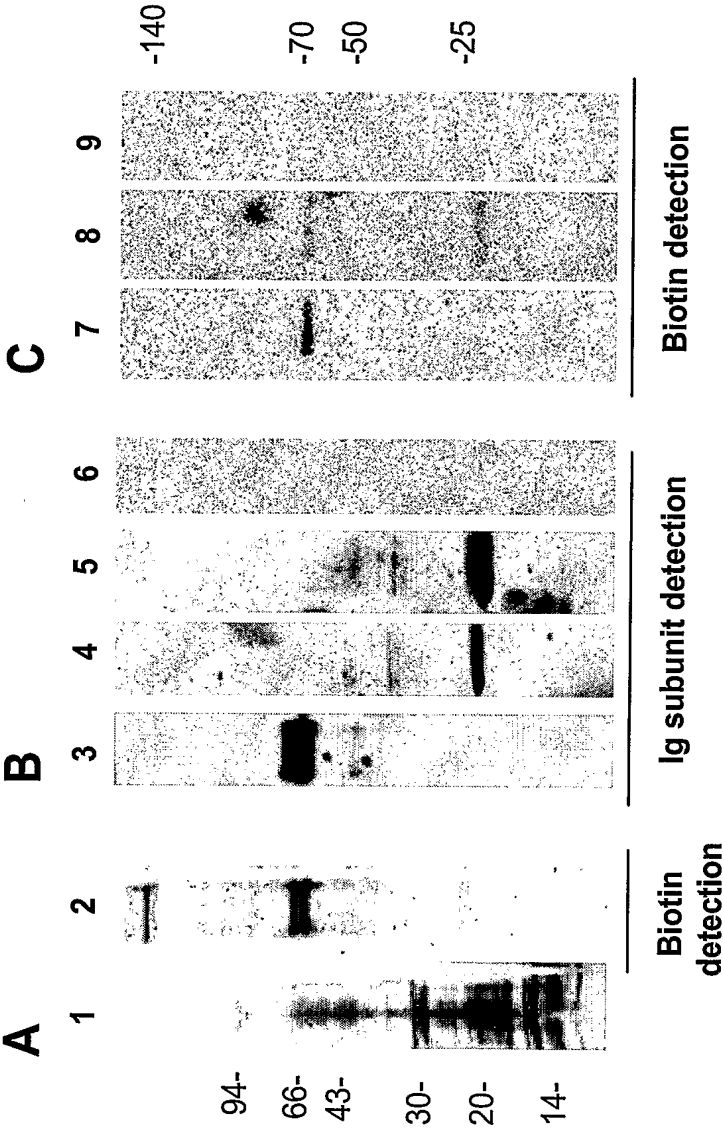
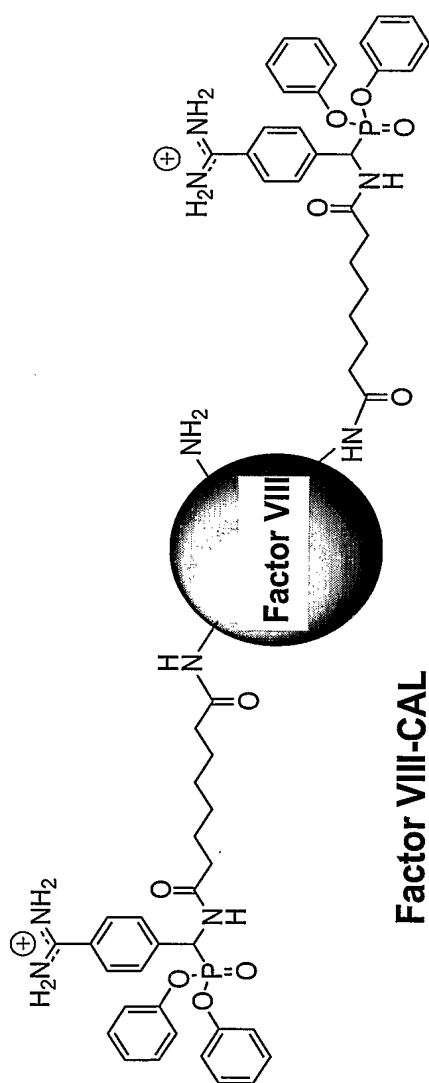


Fig 22



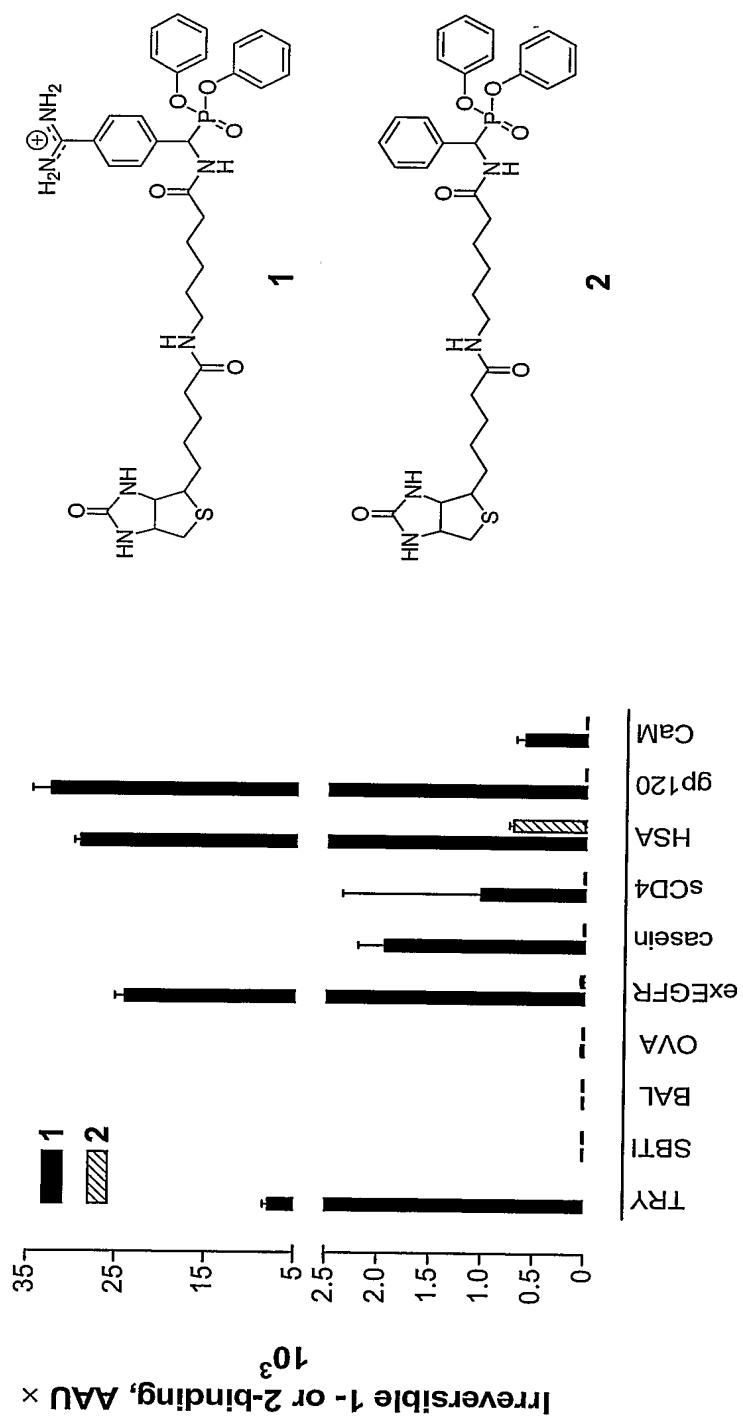


Fig 23

Fig 24

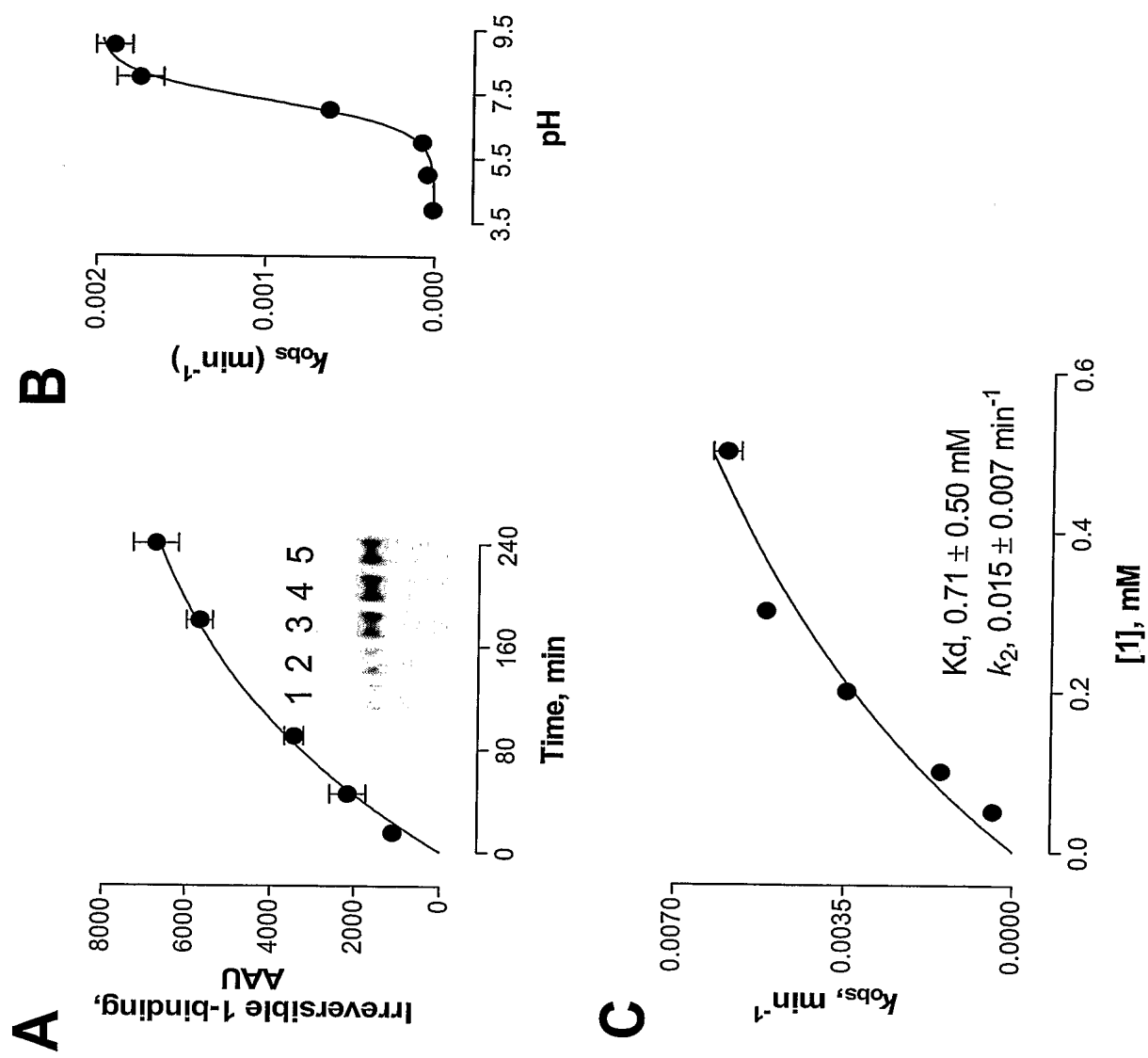


Fig 25

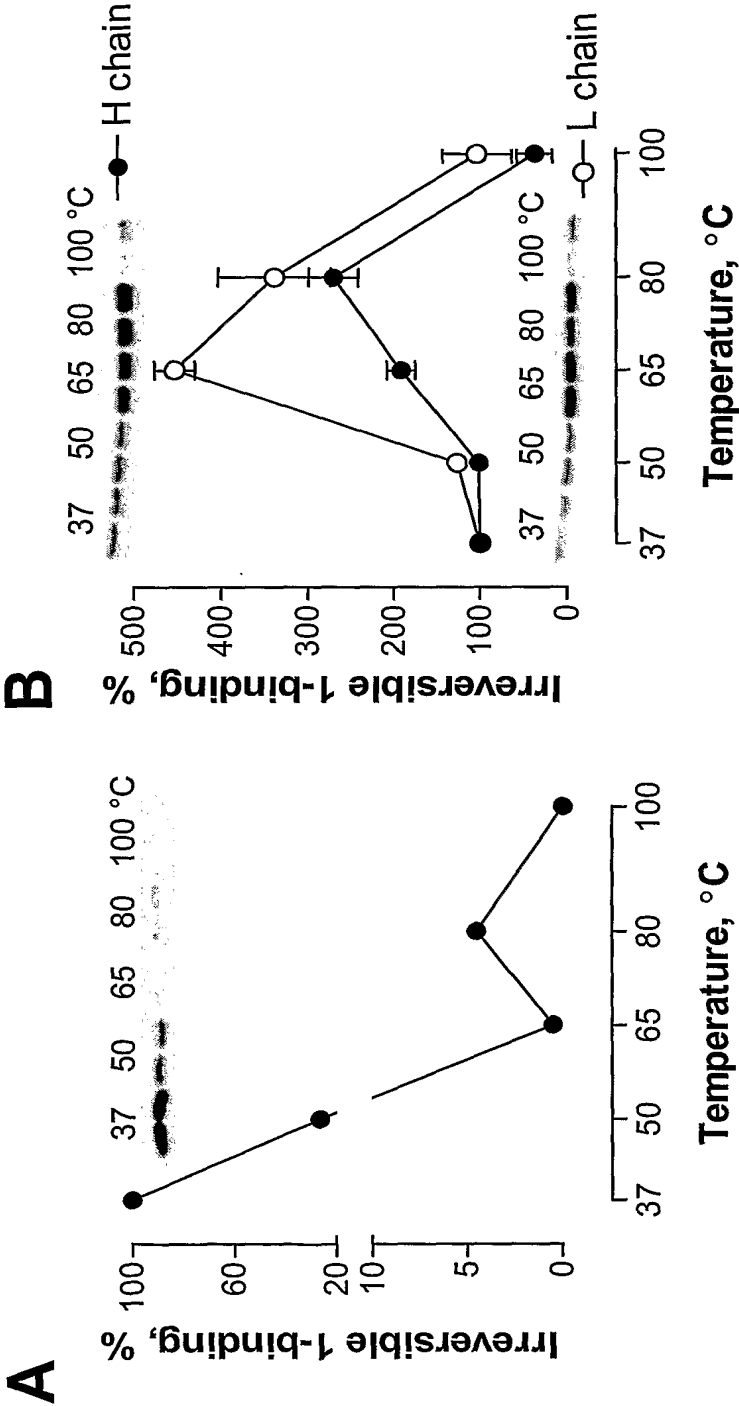
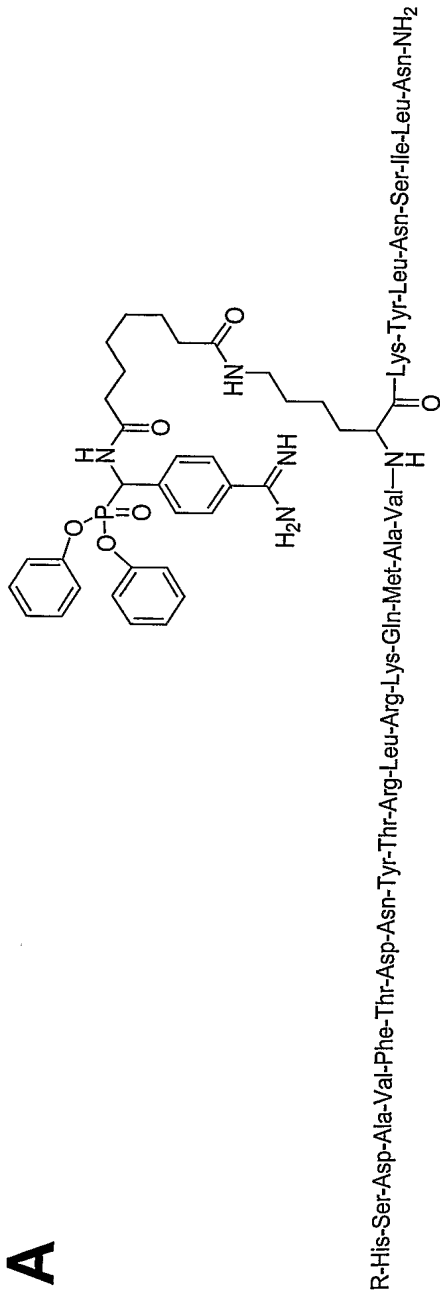


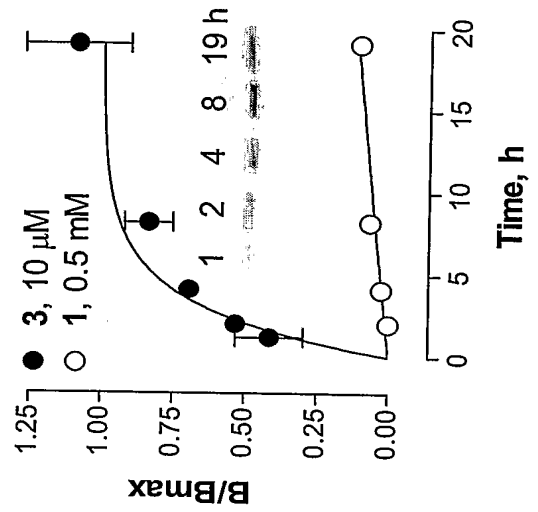
Fig 26

A



3: R = D-biotinyl

B



C

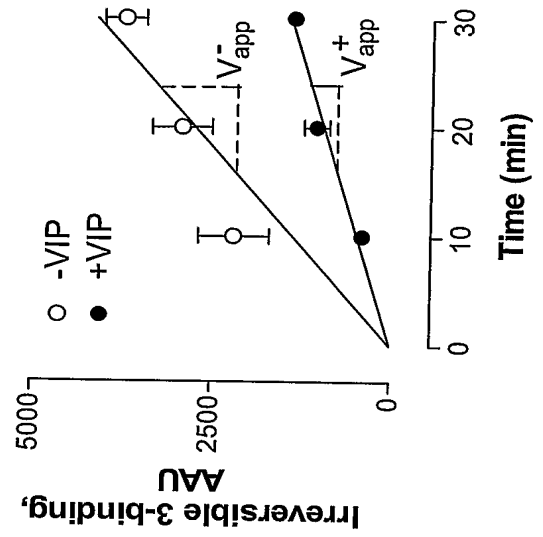


Fig 27

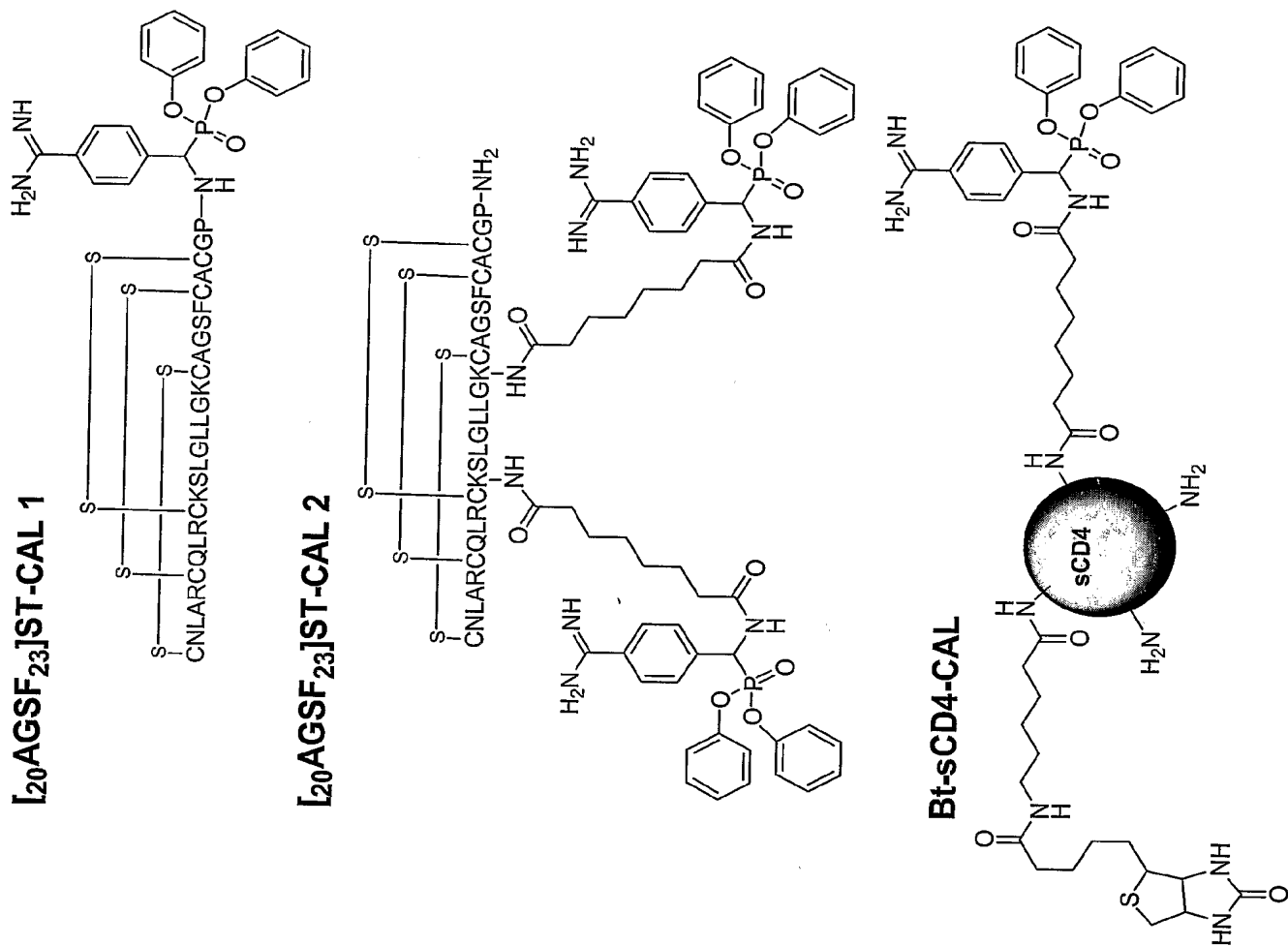


Fig 28

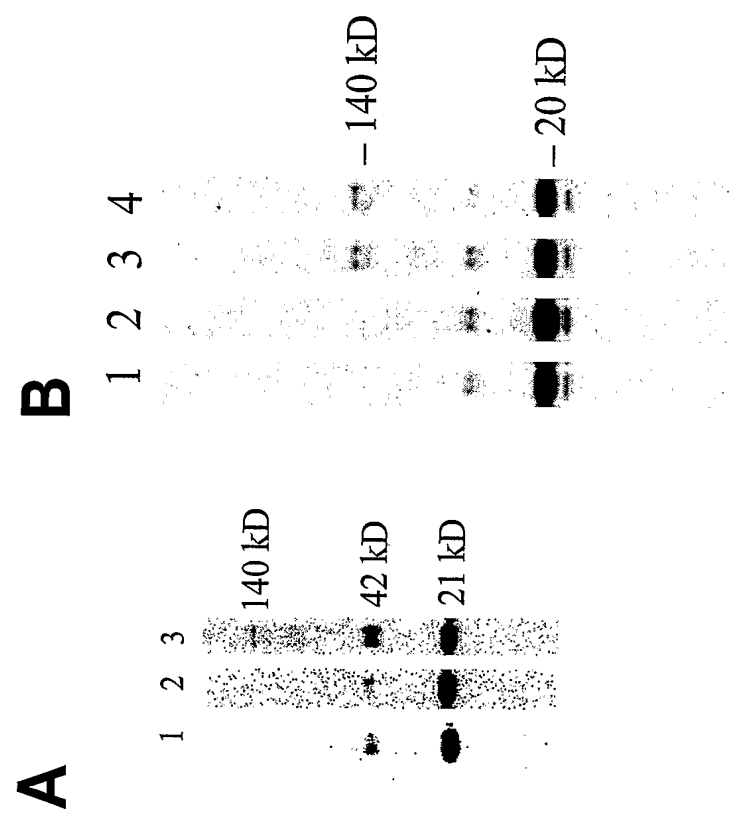


Fig 29

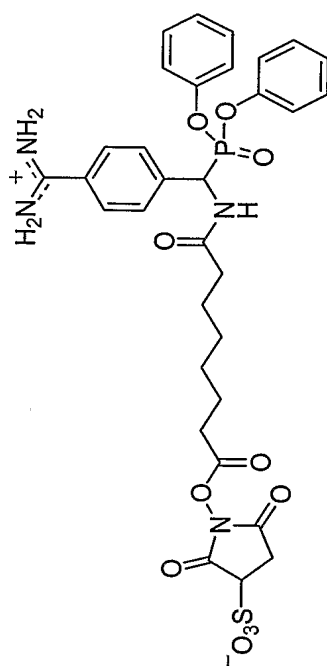


Fig 30

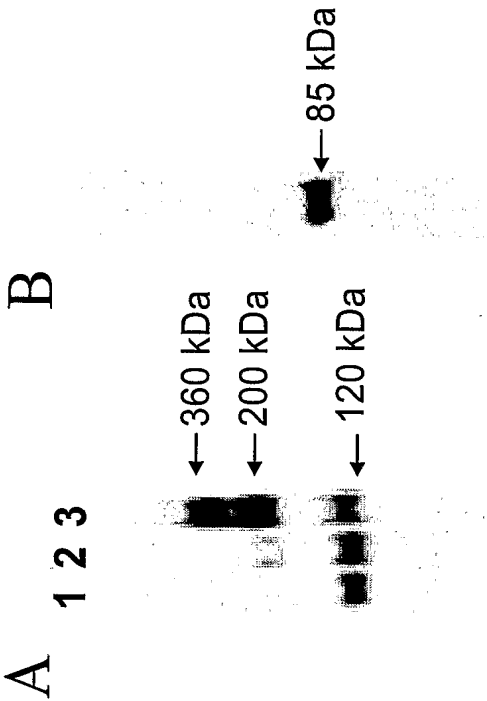
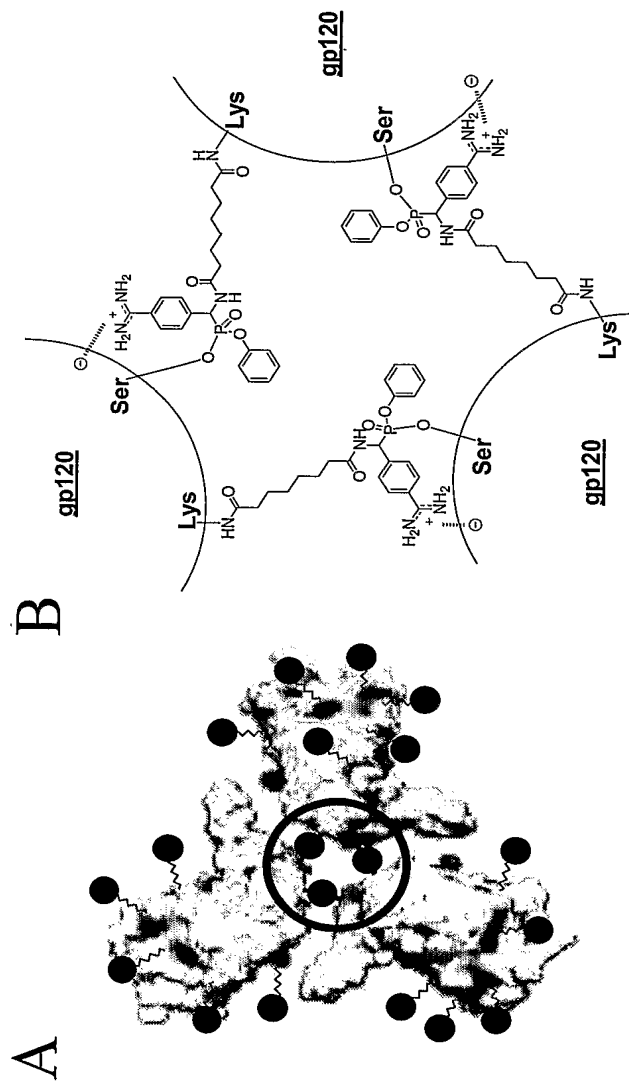


Fig 31



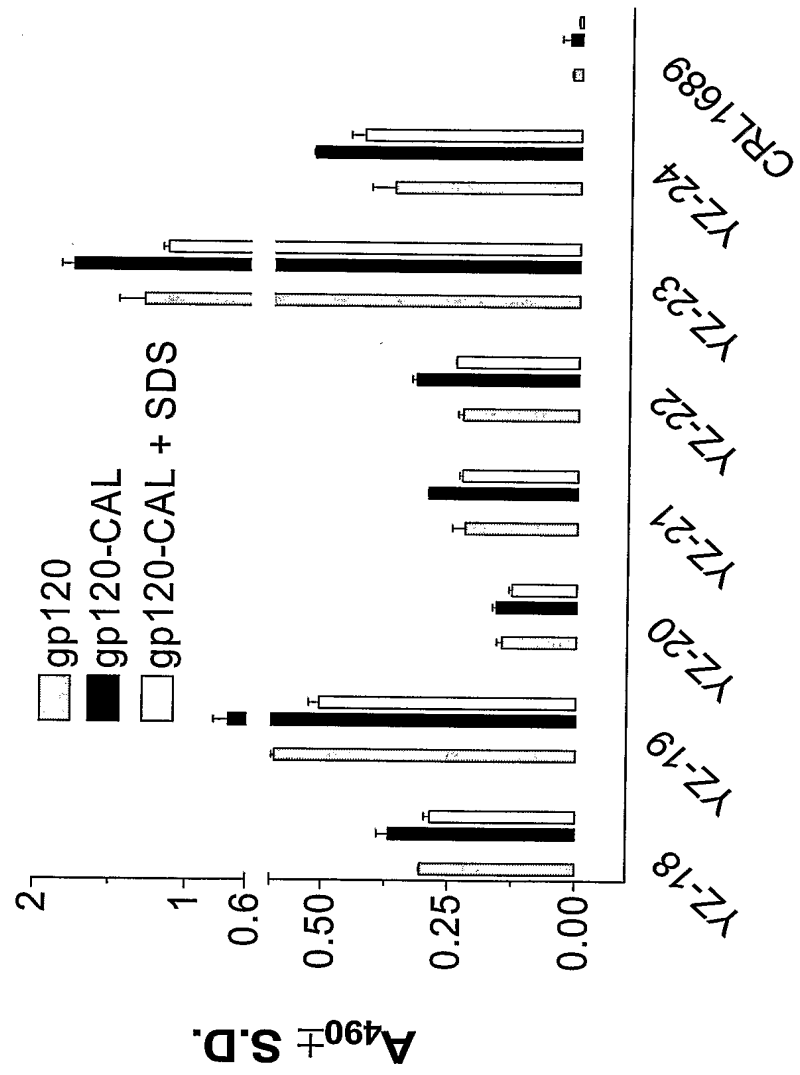


Fig 32

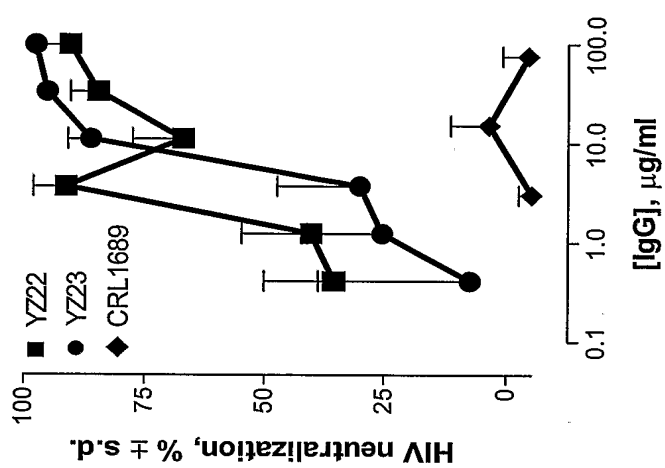


Fig 33